**Session 8**

 How to make your device REMOTE (real device)?

1. Set your Device and Laptop/PC to the SAME network
2. Check on your Device : Settings🡪about device🡪status ( write down )

This is a manual way to figure out what your IP is

But you may use adb commands to do the same.

adb -d shell netcfg

*( mine is 192.168.4.238 – please note your IP addr is different from mine, but I’m using my own numbers. Please adjust your command line to match your IP )*

or

adb -d shell ip addr

1. adb -d usb ( restarting in usb mode)

2. adb -d tcpip 5556

 ( checking if this port is available to use. Receive message "restarting in TCP mode port: 5556")

3. adb -d connect 192.168.4.243:5556  ( "marry” your IP address to the port 5556)

After receiving a message "connected to 192.168.4.243:5556"

Disconnect USB cable from computer and type:  adb devices

Your Device is now listed:

192.168.4.243:5556      device

Lets uninstall our APP from remote device ( you may use any APP )

adb -s 192.168.4.243:5556 uninstall “com.united.mobile.android”

and Install it back:

adb -s 192.168.4.243:5556 install “com.united.mobile.apk”

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How to make a device to be real again

adb -s 192.168.4.243:5556 reboot

Connect device back to the PC/Laptop and run

adb devices

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How to Collect LOGS from Real Device

6703cab3        device

 (this is my Real Device unique serial number. Your number is different)

emulator-5554   device

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1. From the device itself:  ( to stop madness Ctrl+C)

adb -d logcat   ( it's going to run ALL logs possible )

adb –d logcat \*:E  ( for error logs only )

adb -d logcat \*:F  ( for fatal logs only )

adb -d logcat \*:I  ( for information logs only )

adb -d logcat \*:V  ( for verbose logs only )

adb -d logcat \*:D  ( for debugging logs only )

adb -d 3cab3 logcat \*:W  ( for warning logs only )

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Collect logs and simultaneously place it in a TEXT FILE

adb -d logcat \*:E -d>OnlineJan4.txt

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How to collect logs from your APP (we are using LOMOTIF in this exercise)

adb -d logcat \*:E -d>Natalia2.txt | adb -d shell grep “com.lomotif.android”

You are welcome to give any name to .txt file

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Monkey Test is a TOOL in ANDROID Studio to perform stress test for UI functionality

5000 is a number of "hits" or in other words, “injections” your app is going to receive. You may change this number to any.

adb -d shell monkey -p com.lomotif.android 5000

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It’s time to get familiar with commands lines to copy Files between PC/Laptop and Device

Copy **Fish.txt** and **Bear.txt** from your Laptop/PC to your Mobile Device:

1. Create a directory in C Drive. Name it a

C:/a

2. Open Notepad

Type FISH

Save it as fish.txt

3. Open another Notepad

Type Bear

Save it as bear.txt (in C:/a )

4. Create directory on your C drive and name it b

C:/b

**Turn on Developers Options Menu and check USB Debugging Box**

5. Connect your Device to Android Studio

6. Run adb devices (your device is showing now )

7. Create one AVD (emulator or use the one that you created last time)

8. Run adb devices (both Real device and emulator is showing now)

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9. Check directories on your Real device (let’s practice and see what’s available. You may do the same with emulator, use –e if so )

adb -d shell

ls

( usually the most  common folder is sdcard , just like temp directory on PC )

adb -d push C:/a/fish.txt /sdcard/    ( space after .txt)

check if fish.txt is in sdcard

adb -d shell

ls

cd sdcard

ls  ( to check content )

check for file

type exit to be out of shell

10. now do the same #9 task for bear.txt

***End of Session 8***

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